

珠海地区软土的工程特性及工程建设问题

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摘要 通过收集整理大量的软土测试资料，获得具有代表性的珠海地区软土的物理力学性质指标，指出该地区软土普遍具有含水量大、压缩性高和承载力低等工程特性，而且还具有很强的结构性和欠固结特性。此外，结合珠海地区软土工程建设成功经验和失败教训，对珠海软土地基处理、软土基坑工程和软土桩基工程等有关岩土工程问题进行综述。

关键词 [土力学；软土；地基处理；基坑支护；桩基础](#)

分类号

ISSUES OF ENGINEERING CHARACTERISTICS AND ENGINEERING CONSTRUCTION OF SOFT CLAY IN ZHUHAI REGION

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Abstract

Physico-mechanical properties of soft clay in Zhuhai Region have been achieved according to the data collected from the in-situ tests. Results show that the characteristics of soft soil in Zhuhai Region are with higher water content, higher compressive property, and lower load capacity. The soils have the strongly structural characteristics and preconsolidation characteristics too. Based on a detailed investigation into the previous engineering construction in Zhuhai Region and the experience with both successful and failure results, an overview is withdrawn on the soft soil treatment, soft soil foundation pit, pile foundation and other geotechnical engineering issues.

Key words [soil mechanics；soft soil；foundation treatment；pit supporting；pile foundation](#)

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